09500849

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LOGINID:SSSPTA1613SXW

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS 4	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 5	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6	Mar 08	Gene Names now available in BIOSIS
NEWS 7	Mar 22	TOXLIT no longer available
NEWS 8	Mar 22	TRCTHERMO no longer available
NEWS 9	Mar 28	US Provisional Priorities searched with P in CA/CAplus and USPATFULL
NEWS 10	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11	Apr 02	PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 12	Apr 08	"Ask CAS" for self-help around the clock
NEWS 13	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14	Apr 09	ZDB will be removed from STN
NEWS 15	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 16	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 17	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 18	Apr 22	Federal Research in Progress (FEDRIP) now available

NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:12:58 ON 01 MAY 2002

09500849

```
=> l reg
L IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> fil reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
                                                        0.21       0.21
FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 10:13:05 ON 01 MAY 2002
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STRUCTURE FILE UPDATES:   29 APR 2002  HIGHEST RN 409058-68-0
DICTIONARY FILE UPDATES:  29 APR 2002  HIGHEST RN 409058-68-0

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

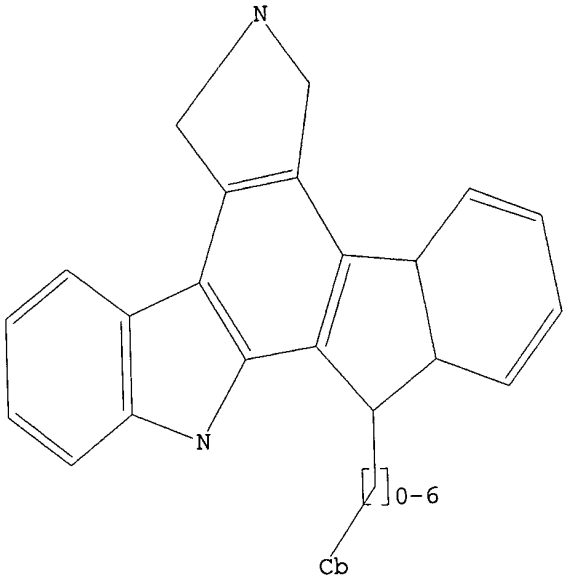
Calculated physical property data is now available.  See HELP PROPERTIES
for more information.  See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 09500849.str

L1      STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1              STR
```

09500849



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam
SAMPLE SEARCH INITIATED 10:13:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 160 TO ITERATE

0 ANSWERS

100.0% PROCESSED 160 ITERATIONS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2442 TO 3958
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 10:13:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3213 TO ITERATE

9 ANSWERS

100.0% PROCESSED 3213 ITERATIONS
SEARCH TIME: 00.00.02

L3 9 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	140.28	140.49

FILE 'CAPLUS' ENTERED AT 10:13:46 ON 01 MAY 2002

09500849

FILE COVERS 1907 - 1 May 2002 VOL 136 ISS 18
FILE LAST UPDATED: 29 Apr 2002 (20020429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l3 full
L4 1 L3

=> d l4 ibib abs hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:573797 CAPLUS
DOCUMENT NUMBER: 133:177158
TITLE: Preparation of cyclic substituted fused pyrrolocarbazoles and isoindolones with protein kinase inhibiting activity for pharmaceutical use
INVENTOR(S): Hudkins, Robert L.; Reddy, Dandu; Singh, Jasbir; Stripathy, Rabindranath; Underiner, Theodore L.
PATENT ASSIGNEE(S): Cephalon, Inc., USA
SOURCE: PCT Int. Appl., 131 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

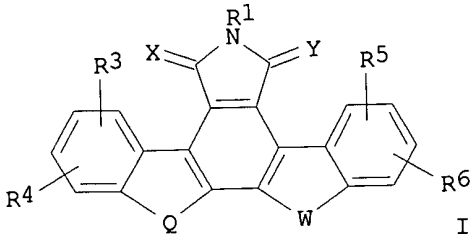
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000047583	A1	20000817	WO 2000-US3476	20000211
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1165562	A1	20020102	EP 2000-911759	20000211
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
NO 2001003887	A	20011011	NO 2001-3887	20010809
PRIORITY APPLN. INFO.:			US 1999-119834P	P 19990212

09500849

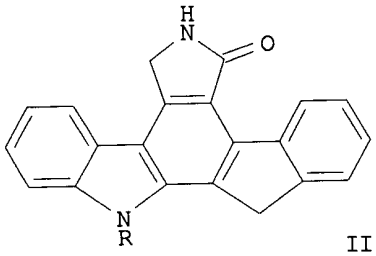
US 2000-500849 A 20000210
WO 2000-US3476 W 20000211

OTHER SOURCE(S): MARPAT 133:177158

GI



I



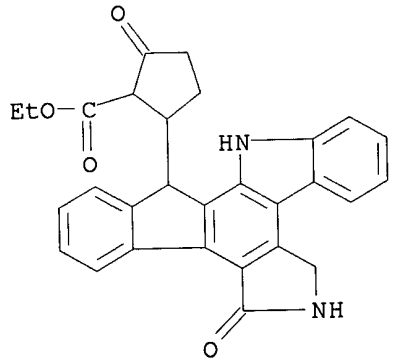
II

AB Fused pyrrolocarbazoles and isoindolones, such as I [R1 = H, alkyl, aryl, arylalkyl, heteroaryl, heteroarylalkyl; R3-6 = H, CN, CF3, OH, CH2OH, halogen, aryl, heteroaryl, acyl, acyloxy, amino, etc.; Q = O, S, NR7; W = CR8R9; X, Y = H2, O; R7 = H, alkyl, heterocyclylalkyl, etc.; R8, R9 = H, OH, cycloalkyl, cycloalkylmethyl, heterocyclyl, heterocyclylalkyl, etc.], were prepd. for use as agents for the regulation of protein kinase and for the treatment of prostate disorders, neoplasia, rheumatoid arthritis, pulmonary fibrosis, etc. Thus, II (R = oxiranylmethyl) was prepd. in 71% yield by via reaction of (.+-.)-glycidyl mesylate and Rink's acid resin bound 6,7,12,13-tetrahydro-5H-indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one. The prepd. compds. were tested for inhibitory activity against a variety of protein kinases, such as trkA tyrosine kinase, vascular endothelial growth factor receptor kinase, protein kinase C, etc.

IT **288569-29-9P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of cyclic substituted fused pyrrolocarbazoles and isoindolones with protein kinase inhibiting activity for pharmaceutical use)

RN 288569-29-9 CAPLUS

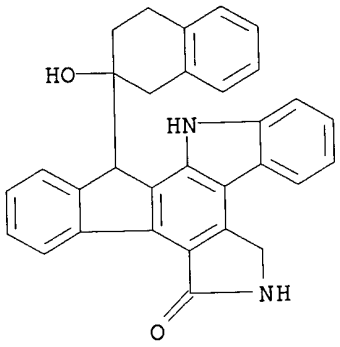
CN Cyclopentanecarboxylic acid, 2-oxo-5-(6,7,12,13-tetrahydro-5-oxo-5H-indeno[2,1-a]pyrrolo[3,4-c]carbazol-13-yl)-, ethyl ester (9CI) (CA INDEX NAME)



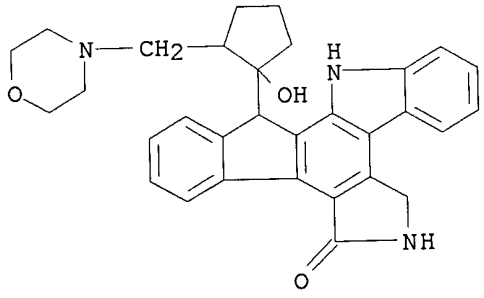
IT **288568-90-1P 288568-92-3P 288568-93-4P**

288569-24-4P 288569-30-2P 288569-33-5P
288569-39-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of cyclic substituted fused pyrrolocarbazoles and isoindolones with protein kinase inhibiting activity for pharmaceutical use)

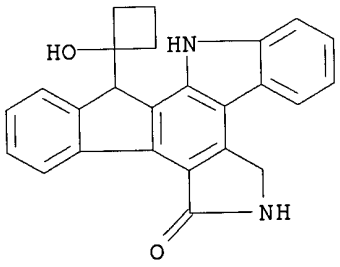
RN 288568-90-1 CAPLUS
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 6,7,12,13-tetrahydro-13-(1,2,3,4-tetrahydro-2-hydroxy-2-naphthalenyl)- (9CI) (CA INDEX NAME)



RN 288568-92-3 CAPLUS
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 6,7,12,13-tetrahydro-13-[1-hydroxy-2-(4-morpholinylmethyl)cyclopentyl]- (9CI) (CA INDEX NAME)

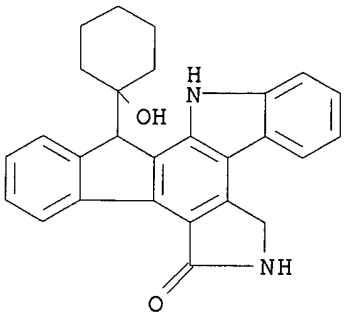


RN 288568-93-4 CAPLUS
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 6,7,12,13-tetrahydro-13-(1-hydroxycyclobutyl)- (9CI) (CA INDEX NAME)

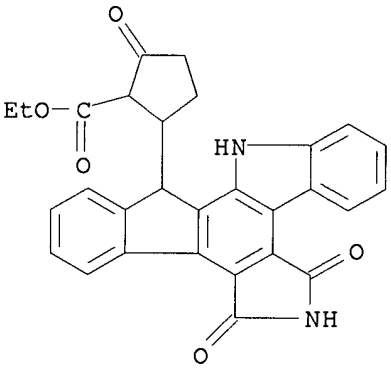


RN 288569-24-4 CAPLUS

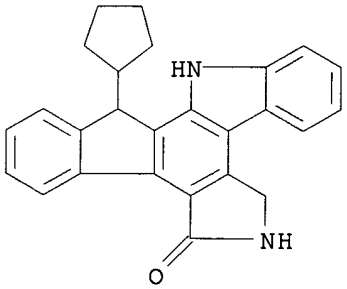
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 6,7,12,13-tetrahydro-13-(1-hydroxycyclohexyl)- (9CI) (CA INDEX NAME)



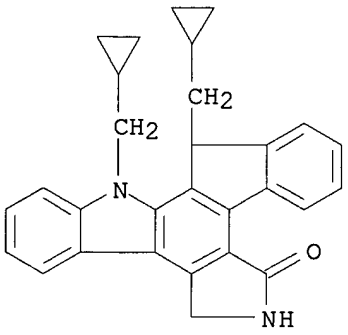
RN 288569-30-2 CAPLUS
CN Cyclopentanecarboxylic acid, 2-oxo-5-(6,7,12,13-tetrahydro-5,7-dioxo-5H-indeno[2,1-a]pyrrolo[3,4-c]carbazol-13-yl)-, ethyl ester (9CI) (CA INDEX NAME)



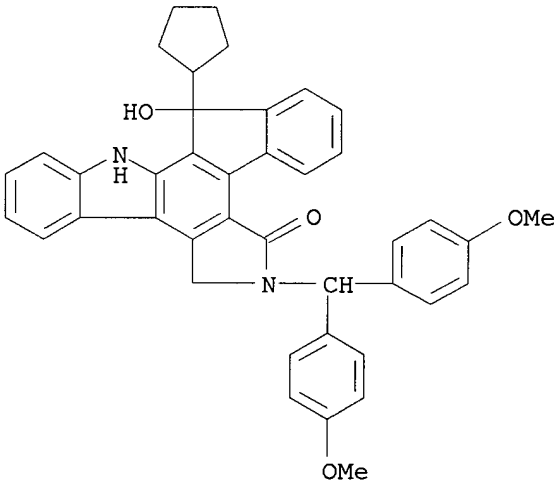
RN 288569-33-5 CAPLUS
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 13-cyclopentyl-6,7,12,13-tetrahydro- (9CI) (CA INDEX NAME)



RN 288569-39-1 CAPLUS
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 12,13-bis(cyclopropylmethyl)-6,7,12,13-tetrahydro- (9CI) (CA INDEX NAME)



IT **288569-51-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of cyclic substituted fused pyrrolocarbazoles and isoindolones with protein kinase inhibiting activity for pharmaceutical use)
RN 288569-51-7 CAPLUS
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 6-[bis(4-methoxyphenyl)methyl]-13-cyclopentyl-6,7,12,13-tetrahydro-13-hydroxy- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1613SXW

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
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NEWS	8	Mar 22	TRCTHERMO no longer available
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NEWS	13	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	14	Apr 09	ZDB will be removed from STN
NEWS	15	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	16	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	17	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	18	Apr 22	Federal Research in Progress (FEDRIP) now available

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NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 10:15:56 ON 01 MAY 2002

09500849

=> fil reg
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 0.21 | 0.21

FILE 'REGISTRY' ENTERED AT 10:16:00 ON 01 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 29 APR 2002 HIGHEST RN 409058-68-0
DICTIONARY FILE UPDATES: 29 APR 2002 HIGHEST RN 409058-68-0

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

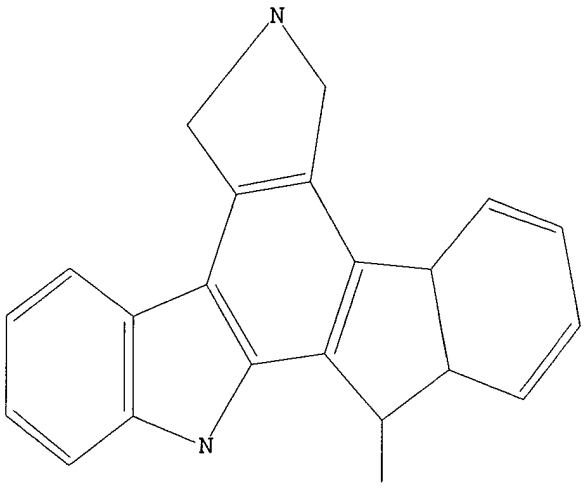
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 500849b.str

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss am
COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID
The query entered contains both search terms created by

structure-building or screen commands and text search terms. L#s created via the STRUCTURE or SCREEN commands must be searched in the structures files separately from text terms or profiles. The L# answer sets from structure searches can be used in crossover searches and can be combined with text terms.

```
=> s l1 sss sam
SAMPLE SEARCH INITIATED 10:16:22 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     28 TO ITERATE

100.0% PROCESSED      28 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          243 TO      877
PROJECTED ANSWERS:               0 TO        0

L2             0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 10:16:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    418 TO ITERATE

100.0% PROCESSED     418 ITERATIONS                               9 ANSWERS
SEARCH TIME: 00.00.01

L3             9 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             140.28     140.49

FILE 'CAPLUS' ENTERED AT 10:16:32 ON 01 MAY 2002
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COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)
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FILE COVERS 1907 - 1 May 2002  VOL 136 ISS 18
FILE LAST UPDATED: 29 Apr 2002  (20020429/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.
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CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

09500849

=> s l3 full
L4 3 L3

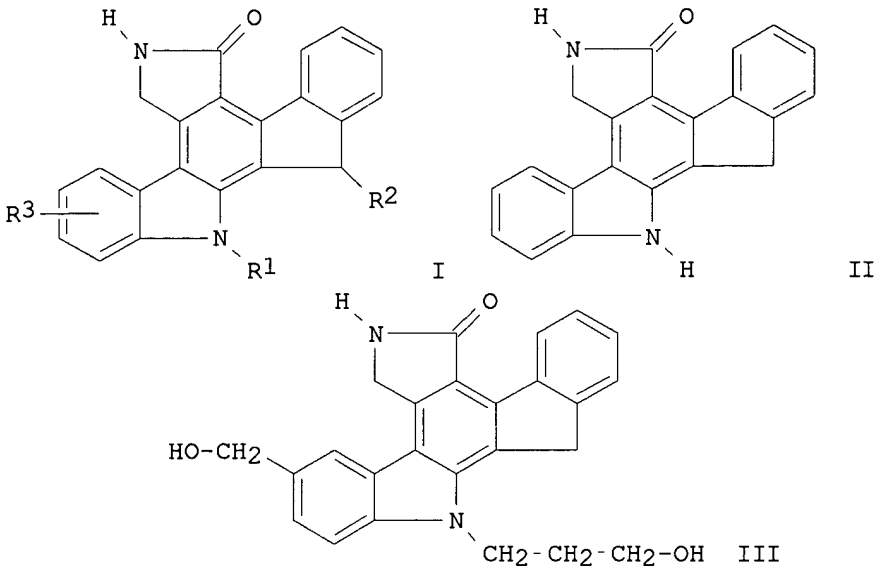
=> d l4 1-3 ibib abs hitstr

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:171684 CAPLUS
DOCUMENT NUMBER: 136:216643
TITLE: Preparation of fused pyrrolocarbazoles as novel agents for treating or preventing angiogenic, neurodegenerative, or pathological disorders.
INVENTOR(S): Gingrich, Diane E.; Hudkins, Robert L.
PATENT ASSIGNEE(S): Cephalon, Inc., USA
SOURCE: PCT Int. Appl., 64 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002017914	A2	20020307	WO 2001-US26266	20010823

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2000-227803P P 20000825
US 2001-278455P P 20010323
OTHER SOURCE(S): MARPAT 136:216643
GI



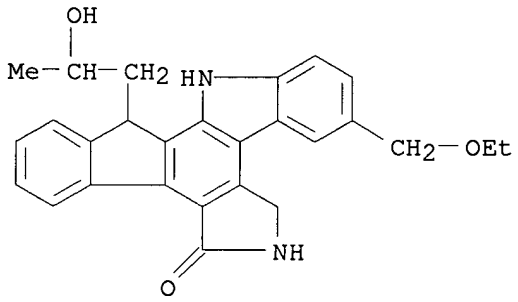
AB This invention discloses the prepn. of title compds. I and their prodrugs or pharmaceutically acceptable salts [wherein: R1, R2 = H, C1-8alkyl-OR4; R4 = H, C1-4alkyl, aryl, e.g., Ph or naphthyl, amino acid ester; R3 = CH2OR7, (CH2)1-4S(O)0-2R5, C1-8alkyl-OR8, C1-8alkyl-S(O)0-2R6; R5 = C1-4alkyl, aryl; R8 = H, C1-4alkyl, aryl, amino acid ester; R6 = H, C1-4alkyl, C6-10aryl; R7 = H, C1-4alkyl]. For example, Michael addn. of Et acrylate to indole II, followed by lactam nitrogen protection, e.g., dimethoxybenzhydrol, ester redn., indole bromination, palladium-catalyzed carbonylation, ester redn., and lactam deprotection provided diol III. I may be used in a variety of ways, including: inhibition of angiogenesis; antitumor agents; enhancing the function and or survival of cells of neuronal lineage, either singularly or in combination with neurotrophic factor(s) and/or indolocarbazoles; enhancing trophic factor-induced activity; inhibition of kinases; inhibition of vascular endothelial growth factor receptor (VEGFR) kinase, preferably VEGFR2; inhibition of mixed lineage kinase (MLK); trk kinase; inhibition of platelet-derived growth factor receptor (PDGFR) kinase; inhibition of NGF-stimulated trk phosphorylation; inhibition of protein kinase C (PKC) activity; inhibition of trk tyrosine kinase activity; inhibition of proliferation of a prostate cancer cell-line; inhibition of the cellular pathways involved in the inflammation process; and enhancement of the survival of neuronal cells at risk of dying. Bioassay data, IC50 or % inhibition @ 300 nM, of the 40 claimed examples, for inhibition of vascular endothelial growth factor receptor kinase activity, e.g., compd. III (IC50 = 208 nM), was disclosed. Inhibition of mixed lineage kinase activity data, IC50 = nM or % inhibition at 100 nM, was also presented for the 40 claimed compds. e.g., compd. III against: MLK1 = 9.0 nM, MLK2 = 64%, and MLK3 = 5.0 nM. Also investigated (no data), the inhibition of trkA tyrosine kinase activity, of platelet derived growth factor receptor kinase activity, and of NGF-stimulated trk phosphorylation of a whole cell prepn. are presented. Claims included 40 specific examples. The syntheses of 1 example and 8 intermediates are described.

IT **402857-50-5P 402857-72-1P**

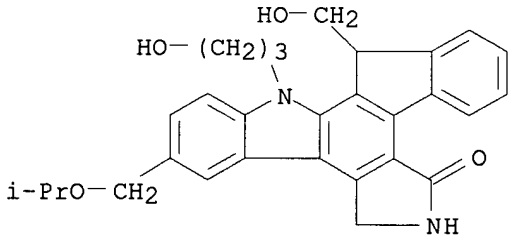
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; prepn. of fused pyrrolocarbazoles as novel

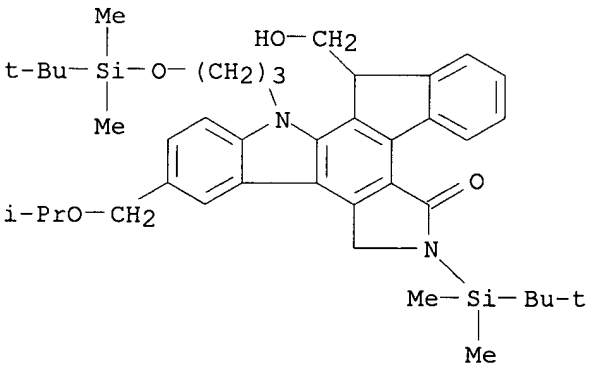
antiproliferative/antiinflammatory agents)
RN 402857-50-5 CAPLUS
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 9-(ethoxymethyl)-6,7,12,13-tetrahydro-13-(2-hydroxypropyl)- (9CI) (CA INDEX NAME)



RN 402857-72-1 CAPLUS
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 6,7,12,13-tetrahydro-13-(hydroxymethyl)-12-(3-hydroxypropyl)-9-[(1-methylethoxy)methyl]- (9CI) (CA INDEX NAME)



IT **402857-78-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; prepn. of fused pyrrolocarbazoles as novel antiproliferative/antiinflammatory agents)
RN 402857-78-7 CAPLUS
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 6-[(1,1-dimethylethyl)dimethylsilyl]-12-[3-[[(1,1-dimethylethyl)dimethylsilyl]oxy]propyl]-6,7,12,13-tetrahydro-13-(hydroxymethyl)-9-[(1-methylethoxy)methyl]- (9CI) (CA INDEX NAME)



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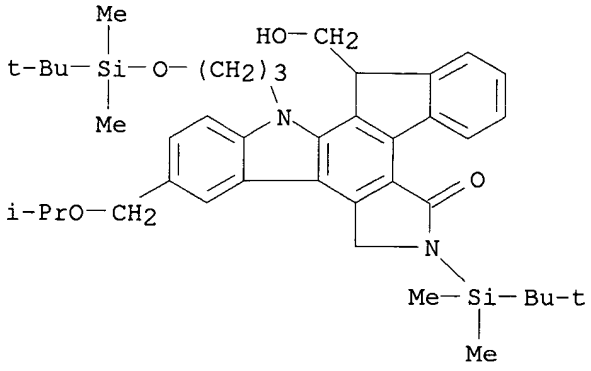
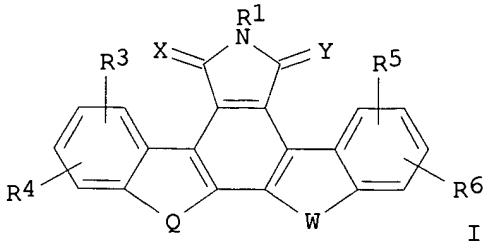


L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:573797 CAPLUS
DOCUMENT NUMBER: 133:177158
TITLE: Preparation of cyclic substituted fused pyrrolocarbazoles and isoindolones with protein kinase inhibiting activity for pharmaceutical use
INVENTOR(S): Hudkins, Robert L.; Reddy, Dandu; Singh, Jasbir; Stripathy, Rabindranath; Underiner, Theodore L.
PATENT ASSIGNEE(S): Cephalon, Inc., USA
SOURCE: PCT Int. Appl., 131 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000047583	A1	20000817	WO 2000-US3476	20000211
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1165562	A1	20020102	EP 2000-911759	20000211
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
NO 2001003887	A	20011011	NO 2001-3887	20010809

PRIORITY APPLN. INFO.:
US 1999-119834P P 19990212
US 2000-500849 A 20000210
WO 2000-US3476 W 20000211

OTHER SOURCE(S): MARPAT 133:177158
GI



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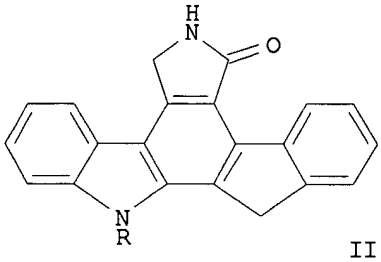


II

AB Fused pyrrolocarbazoles and isoindolones, such as I [R1 = H, alkyl, aryl, arylalkyl, heteroaryl, heteroarylalkyl; R3-6 = H, CN, CF3, OH, CH2OH, halogen, aryl, heteroaryl, acyl, acyloxy, amino, etc.; Q = O, S, NR7; W = CR8R9; X, Y = H2, O; R7 = H, alkyl, heterocyclylalkyl, etc.; R8, R9 = H, OH, cycloalkyl, cycloalkylmethyl, heterocyclyl, heterocyclylalkyl, etc.], were prepd. for use as agents for the regulation of protein kinase and for the treatment of prostate disorders, neoplasia, rheumatoid arthritis, pulmonary fibrosis, etc. Thus, II (R = oxiranylmethyl) was prepd. in 71% yield by via reaction of (.+-.)-glycidyl mesylate and Rink's acid resin bound 6,7,12,13-tetrahydro-5H-indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one. The prepd. compds. were tested for inhibitory activity against a variety of protein kinases, such as trkA tyrosine kinase, vascular endothelial growth factor receptor kinase, protein kinase C, etc.

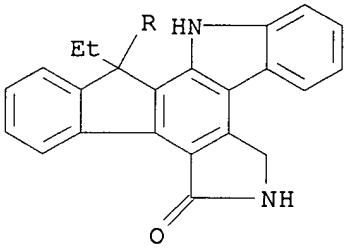
IT **288569-07-3P**

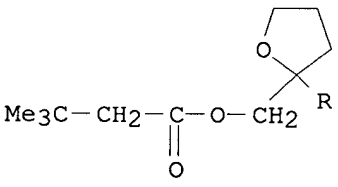
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. of cyclic substituted fused pyrrolocarbazoles and isoindolones with protein kinase inhibiting activity for pharmaceutical use)

RN 288569-07-3 CAPLUS

CN Butanoic acid, 3,3-dimethyl-, [2-(13-ethyl-6,7,12,13-tetrahydro-5-oxo-5H-indeno[2,1-a]pyrrolo[3,4-c]carbazol-13-yl)tetrahydro-2-furanyl]methyl ester (9CI) (CA INDEX NAME)

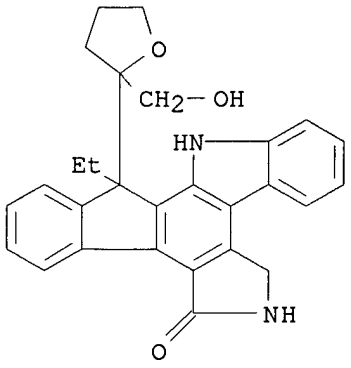




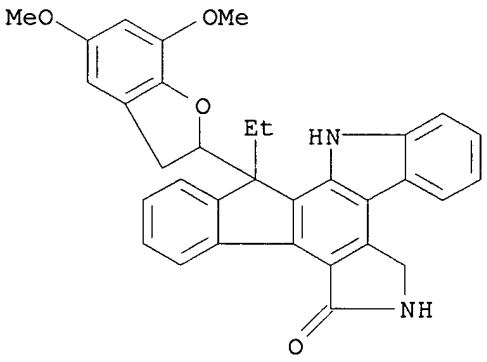
IT **288569-09-5P 288569-20-0P 288569-38-0P 288569-39-1P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of cyclic substituted fused pyrrolocarbazoles and isoindolones with protein kinase inhibiting activity for pharmaceutical use)

RN 288569-09-5 CAPLUS
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 13-ethyl-6,7,12,13-tetrahydro-13-[tetrahydro-2-(hydroxymethyl)-2-furanyl]- (9CI) (CA INDEX NAME)

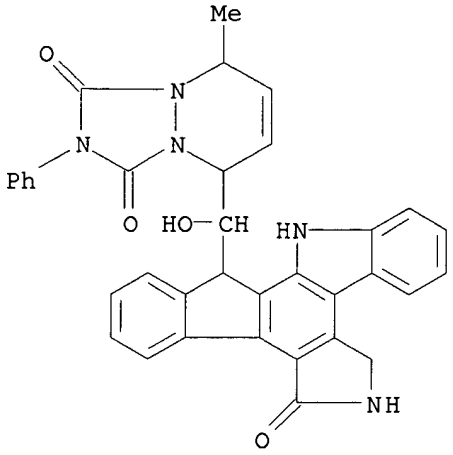


RN 288569-20-0 CAPLUS
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 13-(2,3-dihydro-5,7-dimethoxy-2-benzofuranyl)-13-ethyl-6,7,12,13-tetrahydro- (9CI) (CA INDEX NAME)

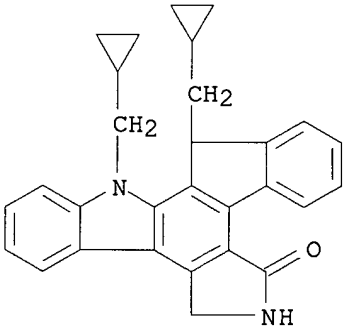


RN 288569-38-0 CAPLUS
CN 1H-[1,2,4]Triazolo[1,2-a]pyridazine-1,3(2H)-dione, 5,8-dihydro-5-[hydroxy(6,7,12,13-tetrahydro-5-oxo-5H-indeno[2,1-a]pyrrolo[3,4-c]carbazol-13-yl)methyl]-8-methyl-2-phenyl- (9CI) (CA INDEX NAME)

09500849



RN 288569-39-1 CAPLUS
CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 12,13-bis(cyclopropylmethyl)-6,7,12,13-tetrahydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:227509 CAPLUS
DOCUMENT NUMBER: 132:260705
TITLE: Methods using fused pyrrolocarbazole compounds for preventing/treating damage to sensory hair cells and cochlear neurons
INVENTOR(S): Ylikoski, Jukka; Pirvola, Ulla; Saarma, Mart; Walton, Kevin; Hudkins, Robert L.
PATENT ASSIGNEE(S): Cephalon, Inc., USA
SOURCE: PCT Int. Appl., 232 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000018407	A1	20000406	WO 1999-US21780	19990924

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,

CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9960532	A1	20000417	AU 1999-60532	19990924	
EP 1126855	A1	20010829	EP 1999-969678	19990924	

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: US 1998-101763P P 19980925
WO 1999-US21780 W 19990924

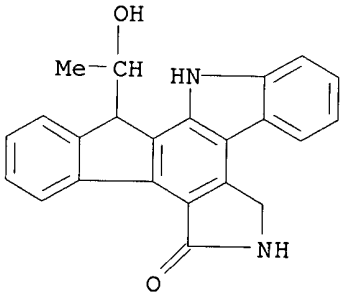
OTHER SOURCE(S): MARPAT 132:260705

AB Methods for preventing or treating damage to sensory hair cells and cochlear neurons are disclosed. The methods comprise the administration of an effective amt. of a fused pyrrolocarbazole compd. (Markush included). The method provides for the prevention/treatment of both hearing loss and loss of the sense of balance. Prepn. of compds. of the invention is described.

IT **263141-94-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(fused pyrrolocarbazoles for preventing or treating damage to sensory hair cells and cochlear neurons)

RN 263141-94-2 CAPLUS

CN 5H-Indeno[2,1-a]pyrrolo[3,4-c]carbazol-5-one, 6,7,12,13-tetrahydro-13-(1-hydroxyethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT